

Yong-gang Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2818290/yong-gang-liu-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

795
citations

16
h-index

27
g-index

41
ext. papers

915
ext. citations

4.8
avg, IF

4.2
L-index

#	Paper	IF	Citations
41	Concentration dependence of the longest relaxation times of dilute and semi-dilute polymer solutions. <i>Journal of Rheology</i> , 2009 , 53, 1069-1085	4.1	91
40	Concentration dependence of the interfacial tension for aqueous two-phase polymer solutions of dextran and polyethylene glycol. <i>Langmuir</i> , 2012 , 28, 3831-9	4	84
39	Structure and microporous formation of cellulose/silk fibroin blend membranes: I. Effect of coagulants. <i>Journal of Membrane Science</i> , 2000 , 177, 153-161	9.6	73
38	Patterns of Flexible Nanotubes Formed by Liquid-Ordered and Liquid-Disordered Membranes. <i>ACS Nano</i> , 2016 , 10, 463-74	16.7	59
37	Determination of molecular weight and molecular sizes of polymers by high temperature gel permeation chromatography with a static and dynamic laser light scattering detector. <i>Polymer</i> , 2003 , 44, 7209-7220	3.9	47
36	Coil-Stretch Transition of High Molar Mass Polymers in Packed-Column Hydrodynamic Chromatography. <i>Macromolecules</i> , 2005 , 38, 7476-7484	5.5	43
35	Structure and microporous formation of cellulose/silk fibroin blend membranes: Part II. Effect of post-treatment by alkali. <i>Journal of Membrane Science</i> , 2002 , 210, 379-387	9.6	36
34	Fabrication and features of a Methylene Green-mediated sensor for hydrogen peroxide based on regenerated silk fibroin as immobilization matrix for peroxidase. <i>Talanta</i> , 1996 , 43, 111-8	6.2	25
33	Molecular sensor of elastic stress in a random flow. <i>Europhysics Letters</i> , 2010 , 90, 44002	1.6	23
32	Effect of cytochrome c on the phase behavior of charged multicomponent lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014 , 1838, 2036-45	3.8	22
31	Onset of the Chromatographic Mode Transition from Hydrodynamic Chromatography to Slalom Chromatography: An Effect of Polymer Stretching. <i>Macromolecules</i> , 2006 , 39, 2004-2006	5.5	22
30	Investigation of molecular masses and aggregation of β -glucan from <i>Poria cocos sclerotium</i> by size-exclusion chromatography. <i>Journal of Chromatography A</i> , 1999 , 839, 49-55	4.5	22
29	Stretching of polymer in a random flow: Effect of a shear rate. <i>Europhysics Letters</i> , 2010 , 90, 44005	1.6	21
28	Viscoelasticity of Poly(ethylene glycol) Solutions on Supported Lipid Bilayers via Quartz Crystal Microbalance with Dissipation. <i>Macromolecules</i> , 2015 , 48, 1824-1831	5.5	20
27	Longest Relaxation Times of Double-Stranded and Single-Stranded DNA. <i>Macromolecules</i> , 2007 , 40, 2172-2176	5.3	18
26	Injectable and antibacterial β -poly(L-lysine)-modified poly(vinyl alcohol)/chitosan/AgNPs hydrogels as wound healing dressings. <i>Polymer</i> , 2021 , 212, 123155	3.9	18
25	Characterization of the Microstructure of Biaxially Oriented Polypropylene Using Preparative Temperature-Rising Elution Fractionation. <i>International Journal of Polymer Analysis and Characterization</i> , 2003 , 8, 225-243	1.7	16

24	Molar mass fractionation in aqueous two-phase polymer solutions of dextran and poly(ethylene glycol). <i>Journal of Chromatography A</i> , 2016 , 1452, 107-15	4.5	16
23	Single Polymer Dynamics in A Random Flow. <i>Macromolecular Symposia</i> , 2014 , 337, 34-43	0.8	15
22	Studies on the intermolecular structural heterogeneity of a propylene-ethylene random copolymer using preparative temperature rising elution fractionation. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 232-239	2.9	15
21	The role of electrostatic repulsion in the gelation of poly(vinyl alcohol)/borax aqueous solutions. <i>Soft Matter</i> , 2018 , 14, 6767-6773	3.6	13
20	Strategy to improve the characterization of chitosan by size exclusion chromatography coupled with multi angle laser light scattering. <i>Carbohydrate Polymers</i> , 2018 , 202, 99-105	10.3	13
19	Studies of Instrumental Spreading in Gel Permeation Chromatography by Coupling with a Two-Angle Laser Light Scattering Detector. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004 , 27, 611-627	1.3	10
18	Adsorption of poly(vinyl alcohol) on gel permeation chromatography columns depends on the degree of hydrolysis. <i>Journal of Chromatography A</i> , 2019 , 1585, 138-143	4.5	10
17	Giant Vesicles Encapsulating Aqueous Two-Phase Systems: From Phase Diagrams to Membrane Shape Transformations. <i>Frontiers in Chemistry</i> , 2019 , 7, 213	5	9
16	Investigation of the effect of branched structure on the performances of the copolymers synthesized from ethylene and Eblefin with rac-Et(Ind) ₂ ZrCl ₂ /MMAO catalyst system. <i>Polymer</i> , 2006 , 47, 1465-1472	3.9	9
15	Linear viscoelasticity of poly(acrylic acid) complexed with ferric ion. <i>Rheologica Acta</i> , 2019 , 58, 513-523	2.3	8
14	Chemical composition separation of a propylene-ethylene random copolymer by high temperature solvent gradient interaction chromatography. <i>Journal of Chromatography A</i> , 2017 , 1522, 23-29	4.5	6
13	Fabrication of polymersomes with controllable morphologies through dewetting w/o/w double emulsion droplets. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2016 , 34, 475-482	3.5	5
12	Viscoelasticity of poly(ethylene glycol) in aqueous solutions of potassium sulfate: a comparison of quartz crystal microbalance with conventional methods. <i>Polymer Journal</i> , 2019 , 51, 471-480	2.7	4
11	Thermorheological complexity of poly(vinyl alcohol)/borax aqueous solutions. <i>Journal of Rheology</i> , 2020 , 64, 991-1002	4.1	4
10	Chromatographic mode transition from size exclusion to slalom chromatography as observed for chitosan. <i>Carbohydrate Polymers</i> , 2020 , 235, 115950	10.3	4
9	Conformation of dilute poly(vinyl alcohol)-borax complex by asymmetric flow field-flow fractionation. <i>Journal of Chromatography A</i> , 2020 , 1624, 461260	4.5	3
8	PVA/Poly(hexamethylene guanidine)/Gallic Acid Composite Hydrogel Films and Their Antibacterial Performance. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 3867-3877	4.3	3
7	Spontaneous Tubulation in Giant Vesicles Induced by GM1 or PEG Adsorption. <i>Biophysical Journal</i> , 2016 , 110, 244a	2.9	2

6	Speedy quantitative microstructure determination of Poly(ethylene-co-1-hexene) at triads by $^1\text{H}/^{13}\text{C}$ two-dimensional NMR. <i>Polymer</i> , 2021 , 229, 123993	3.9	2
5	Different molecular sizes and chain conformations of water-soluble yeast β -glucan fractions and their interactions with receptor Dectin-1. <i>Carbohydrate Polymers</i> , 2021 , 273, 118568	10.3	2
4	Structure and phase behavior of poly(acrylic acid)-ferric ion complex aqueous solutions. <i>Soft Matter</i> , 2020 , 16, 10750-10758	3.6	1
3	Conformation and persistence length of chitosan in aqueous solutions of different ionic strengths via asymmetric flow field-flow fractionation. <i>Carbohydrate Polymers</i> , 2021 , 271, 118402	10.3	1
2	Synthesis and structural characterization of N,N,N-trimethyl chitosan. <i>Journal of Applied Polymer Science</i> , 51811	2.9	0
1	Entropic characterization of the coil-stretch transition of polymers in random flows. <i>Physical Review E</i> , 2021 , 103, 033107	2.4	